

Declaration and Power of Attorney For Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

下記の氏名の発明者として、私は以下の通り宣言します。

As a below named inventor, I hereby declare that:

私の住所、私書箱、国籍は下記の私の氏名の後に記載された通りです。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者（下記の氏名が一つの場合）もしくは最初かつ共同発明者であると（下記の名称が複数の場合）信じています。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

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上記発明の明細書（下記の欄で×印がついていない場合は、本書に添付）は、

The specification of which is attached hereto unless the following box is checked:

☐ 月 日に提出され、米国出願番号または特許協定条約国際出願番号を _____ とし、
(該当する場合) _____ に訂正されました。

☐ was filed on _____
as United States Application Number or
PCT International Application Number
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私は、特許請求範囲を含む上記訂正後の明細書を検討し、内容を理解していることをここに表明します。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編第1条56項に定義されるとおり、特許資格の有無について重要な情報を開示する義務があることを認めます。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

Japanese Language Declaration (日本語宣言書)

私は、米国法典第35編119条(a)-(d)項又は365条(b)項に基づき下記の、米国以外の国の少なくとも一カ国を指定している特許協力条約365(a)項に基づく国際出願、又は外国での特許出願もしくは発明者証の出願についての外国優先権をここに主張するとともに、優先権を主張している、本出願の前に出願された特許または発明者証の外国出願を以下に、枠内をマークすることで、示している。

Prior Foreign Application(s)

外国での先行出願

2000-338357	Japan
(Number)	(Country)
(番号)	(国名)
(Number)	(Country)
(番号)	(国名)

I hereby claim foreign priority under Title 35, United States Code, Section 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed

優先権主張なし

29/ September/ 2000	<input type="checkbox"/>
(Day/Month/Year Filed)	
(出願年月日)	
(Day/Month/Year Filed)	<input type="checkbox"/>
(出願年月日)	

私は、第35編米国法典119条(e)項に基づいて下記の米国特許出願規定に記載された権利をここに主張いたします。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.)	(Filing Date)
(出願番号)	(出願日)

(Application No.)	(Filing Date)
(出願番号)	(出願日)

私は、下記の米国法典第35編120条に基づいて下記の米国特許出願に記載された権利、又は米国を指定している特許協力条約365条(c)に基づく権利をここに主張します。また、本出願の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国特許出願に開示されていない限り、その先行米国出願書提出日以降で本出願書の日本国内または特許協力条約国際提出日までの期間中に入手された、連邦規則法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of application.

(Application No.)	(Filing Date)
(出願番号)	(出願日)

(Status: Patented, Pending, Abandoned)
(現況: 特許許可済、係属中、放棄済)

(Application No.)	(Filing Date)
(出願番号)	(出願日)

(Status: Patented, Pending, Abandoned)
(現況: 特許許可済、係属中、放棄済)

私は、私自身の知識に基づいて本宣言書中で私が行なう表明が真実であり、かつ私の入手した情報と私の信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基づき、罰金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の表明を行えば、出願した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を致します。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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委任状： 私は下記の発明者として、本出願に関する一切の手続きを米特許商標局に対して遂行する弁理士または代理人として、下記の者を指名いたします。(弁理士、または代理人の氏名及び登録番号を明記のこと)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number)

Martin Fleit, Reg. No. 16,900; Herbert I. Cantor, Reg. No. 24,392; James F. McKeown, Reg. No. 25,406; Donald D. Evenson, Reg. No. 26,160; Joseph D. Evans, Reg. No. 26,269; Gary R. Edwards, Reg. No. 31,824; Jeffrey D. Sanok, Reg. No. 32,169; Richard R. Diefendorf, Reg. No. 32,390; and Paul A. Schnose, Reg. No. 39,361

書類送付先

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Telephone: (202)628-8800

Fax: (202)628-8844

唯一または第一発明者	Full name of sole or first inventor Hiroshi KAJIYAMA	
発明者の署名	日付	Inventor's signature Date <i>Hiroshi Kajiyama</i> Aug. 23, 2001
住所	Residence Kodaira, Japan	
国籍	Citizenship Japan	
私書箱	Post Office Address c/o Hitachi, Ltd., Intellectual Property Group New Marunouchi Bldg. 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, Japan.	

(第二以降の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for second and subsequent joint inventors.)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

第二共同発明者	Full name of second joint inventor, if any Akira KATOU
第二共同発明者の署名 日付	Second inventor's signature Date <i>Akira Katou</i> Aug. 30 / 2001
住所	Residence Mito, Japan
国籍	Citizenship Japan
私書箱	Post Office Address c/o Hitachi, Ltd., Intellectual Property Group New Marunouchi Bldg. 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, Japan
第三共同発明者	Full name of third joint inventor, if any Ken-ichi ONISAWA
第三共同発明者の署名 日付	Third inventor's signature Date <i>Kenichi Onisawa</i> Aug. 30, 2001
住所	Residence Hitachinaka, Japan
国籍	Citizenship Japan
私書箱	Post Office Address c/o Hitachi, Ltd., Intellectual Property Group New Marunouchi Bldg. 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, Japan
第四共同発明者	Full name of fourth joint inventor, if any Tetsuro MINEMURA
第四共同発明者の署名 日付	Fourth inventor's signature Date <i>Tetsuro Minemura</i> Aug. 31, 2001
住所	Residence Hitachioota, Japan
国籍	Citizenship Japan
私書箱	Post Office Address c/o Hitachi, Ltd., Intellectual Property Group New Marunouchi Bldg. 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, Japan
第五共同発明者	Full name of fifth joint inventor, if any Kazuo UETANI
第五共同発明者の署名 日付	Fifth inventor's signature Date <i>Kazuo Uetani</i> Aug. 28 / 2001
住所	Residence Nishinomiya, Japan
国籍	Citizenship Japan
私書箱	Post Office Address c/o Hitachi, Ltd., Intellectual Property Group New Marunouchi Bldg. 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, Japan

(第六以降の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for sixth and subsequent joint inventors.)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

第六共同発明者	Full name of sixth joint inventor, if any
Yasushi IHARA	
第六共同発明者の署名 日付	Second inventor's signature Date
<i>Yasushi Ihara</i>	<i>Aug. 23, 2001</i>
住所	Residence
Takarazuka, Japan	
国籍	Citizenship
Japan	
私書箱	Post Office Address
c/o Hitachi, Ltd., Intellectual Property Group	
New Marunouchi Bldg. 5-1, Marunouchi 1-chome,	
Chiyoda-ku, Tokyo 100-8220, Japan	
第七共同発明者	Full name of seventh joint inventor, if any
Shiro TAKIGAWA	
第七共同発明者の署名 日付	Third inventor's signature Date
<i>Shiro Takigawa</i>	<i>Aug. 23, 2001</i>
住所	Residence
Kyoto, Japan	
国籍	Citizenship
Japan	
私書箱	Post Office Address
c/o Hitachi, Ltd., Intellectual Property Group	
New Marunouchi Bldg. 5-1, Marunouchi 1-chome,	
Chiyoda-ku, Tokyo 100-8220, Japan	
第八共同発明者	Full name of eighth joint inventor, if any
Kouichi NOSE	
第八共同発明者の署名 日付	Fourth inventor's signature Date
<i>Kouichi Nose</i>	<i>Aug. 23, 2001</i>
住所	Residence
Osaka, Japan	
国籍	Citizenship
Japan	
私書箱	Post Office Address
c/o Hitachi, Ltd., Intellectual Property Group	
New Marunouchi Bldg. 5-1, Marunouchi 1-chome,	
Chiyoda-ku, Tokyo 100-8220, Japan	
第九共同発明者	Full name of ninth joint inventor, if any
Isao TOKOMOTO	
第九共同発明者の署名 日付	Fifth inventor's signature Date
<i>Isao Tokomoto</i>	<i>Aug. 23, 2001</i>
住所	Residence
Ikeda, Japan	
国籍	Citizenship
Japan	
私書箱	Post Office Address
c/o Hitachi, Ltd., Intellectual Property Group	
New Marunouchi Bldg. 5-1, Marunouchi 1-chome,	
Chiyoda-ku, Tokyo 100-8220, Japan	

(第十以降の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for tenth and subsequent joint inventors.)

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第十共同発明者		Full name of tenth joint inventor, if any Yasuhiro KOIZUMI	
第十共同発明者の署名	日付	Second inventor's signature <i>Yasuhiro Koizumi</i>	Date 08/27/2001
住所		Residence Nishinomiya, Japan	
国籍		Citizenship Japan	
私書箱		Post Office Address c/o Hitachi, Ltd., Intellectual Property Group New Marunouchi Bldg. 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, Japan	
第十一共同発明者		Full name of eleventh joint inventor, if any	
第十一共同発明者の署名	日付	Third inventor's signature	Date
住所		Residence	
国籍		Citizenship	
私書箱		Post Office Address	
第十二共同発明者		Full name of twelfth joint inventor, if any	
第十二共同発明者の署名	日付	Fourth inventor's signature	Date
住所		Residence	
国籍		Citizenship	
私書箱		Post Office Address	
第十三共同発明者		Full name of thirteenth joint inventor, if any	
第十三共同発明者の署名	日付	Fifth inventor's signature	Date
住所		Residence	
国籍		Citizenship	
私書箱		Post Office Address	



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FEBRUARY 06, 2002

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REEL/FRAME: 012367/0093
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
KAJIYAMA, HIROSHI

DOC DATE: 08/23/2001

ASSIGNOR:
KATOU, AKIRA

DOC DATE: 08/30/2001

ASSIGNOR:
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DOC DATE: 08/30/2001

ASSIGNOR:
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DOC DATE: 08/31/2001

ASSIGNOR:
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DOC DATE: 08/28/2001

ASSIGNOR:
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DOC DATE: 08/23/2001

ASSIGNOR:
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012367/0093 PAGE 2

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DOC DATE: 08/27/2001

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SERIAL NUMBER: 09944147
PATENT NUMBER:

FILING DATE: 09/04/2001
ISSUE DATE:

JACQUELINE MOORE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Form PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)

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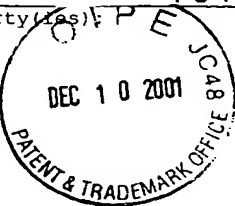
To the Honorable Commissioner
copy thereof.

101921781

Record the attached original documents or

1. Name of conveying party(ies):

1. Hiroshi KAJIYAMA
2. Akira KATOU
3. Ken-ichi ONISAWA
4. Tetsuro MINEMURA
5. Kazuo UETANI
6. Yasushi IHARA
7. Shiro TAKIGAWA
8. Kouichi NOSE
9. Isao TOKOMOTO
10. Yasuhiro KOIZUMI



2. Name and address of receiving party(ies)

Name: HITACHI, LTD.

Street Address: 6, Kanda Surugadai 4-chome, Chiyoda-ku,
Tokyo, Japan

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: 1. August 23, 2001
2. August 30, 2001 3. August 30, 2001
4. August 31, 2001 5. August 28, 2001
6. August 23, 2001 6. August 23, 2001
7. August 23, 2001 8. August 23, 2001
9. August 23, 2001 10. August 27, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
09/944,147

B. Patent No(s).

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

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P.O. Box 14300
Washington, D.C. 20044-4300

6. Total number of applications and patents involved:

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is
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Gary R. Edwards
Gary R. Edwards

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ASSIGNMENT

(譲 渡 証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

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invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Hiroshi Kariyama</u>	<u>Aug. 23, 2001</u>
2) <u>Akira Kato</u>	<u>Aug. 30, 2001</u>
3) <u>Kenichi Onisawa</u>	<u>Aug. 30, 2001</u>
4) <u>Takashi Kinemura</u>	<u>Aug. 31, 2001</u>
5) <u>Kazuo Uetani</u>	<u>Aug. 28, 2001</u>
6) <u>Yasushi Akana</u>	<u>Aug. 23, 2001</u>
7) <u>Shiro Tokiura</u>	<u>Aug. 23, 2001</u>
8) <u>Kouichi Kase</u>	<u>Aug. 23, 2001</u>
9) <u>Yuzo Tokumoto</u>	<u>Aug. 23, 2001</u>
10) <u>Yasuhiko Kozumi</u>	<u>Aug. 27, 2001</u>